Missouri Botanical Garden
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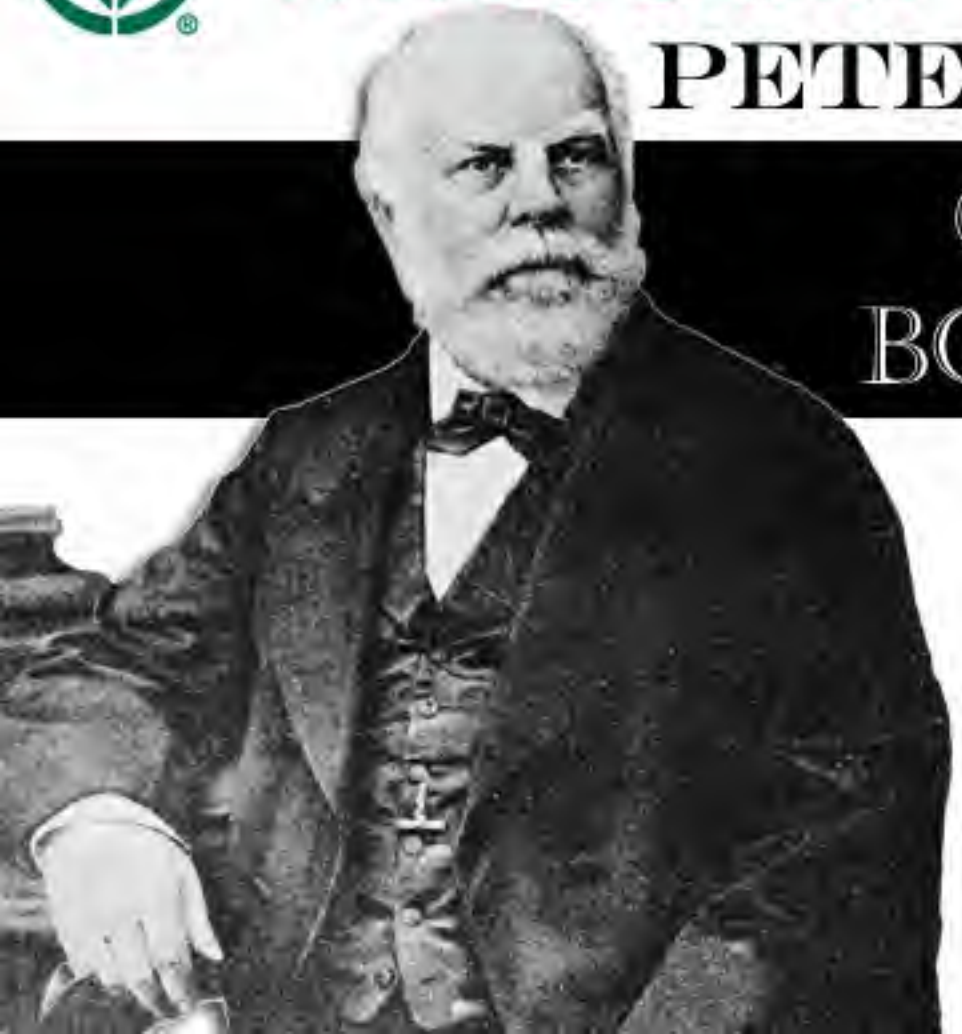

Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

Pinus monticola

Camp 6300' alt on South Mountain
meadow — 13 feet circumference

Aug 29 1880

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MISSOURI BOTANICAL GARDEN

Pinus monticola, Oregon, Collier leg.
Cone 10½ inches long!

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Pinus Parreyana

Collected about June 15, 1880 near Hatker's Ranch, On Old Yuma Road, San Diego Co, Cal. from a young tree about 18 feet high. The tree branched from near the base so as to form a regular conical shape and the foliage was close, a good tree for lawns

San Francisco July 3d 1880 by R Vasey

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Pinus contorta, Mouth of
Umqua in deep sandy soil
66-86 inches circumference
30-80 feet high 2-2 1/3 feet diam
Aug 10 1880

Pin contorta Murrayana
Camp 6300' high on Scotts
Mountain, Aug 26 1880
Circumfer 9 1/2 feet

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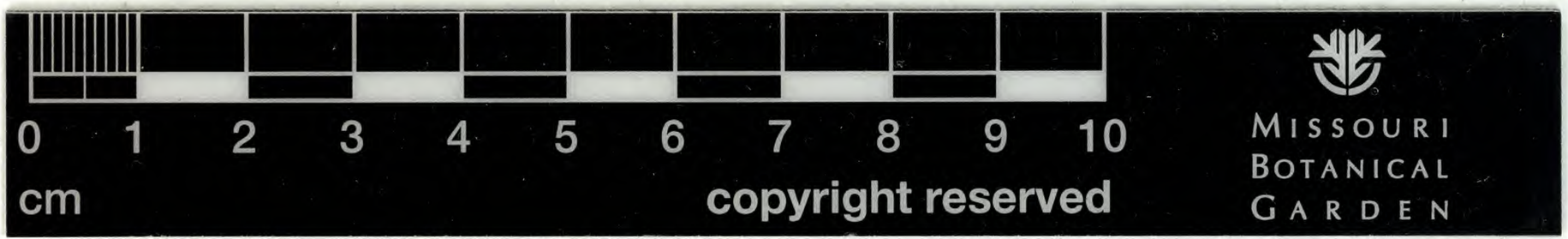
Pinus Contorta on Sierra near Soda Springs
Stature 3 feet diam 115 feet high. Oct 11 1880



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Sargent Aug 1879

Pinus Lambertiana

San Bernardino Mountains abt 4000–5000'

80–100 feet high & Pany

male flowers not more than ½ inch long

short oval entire bract. involucre of

10 scales, exterior ones ⅓ shorter than

interior ones, all ovate-orbicular

acute, dentate – short crested

10

bract ×4

not fringed

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Mo.

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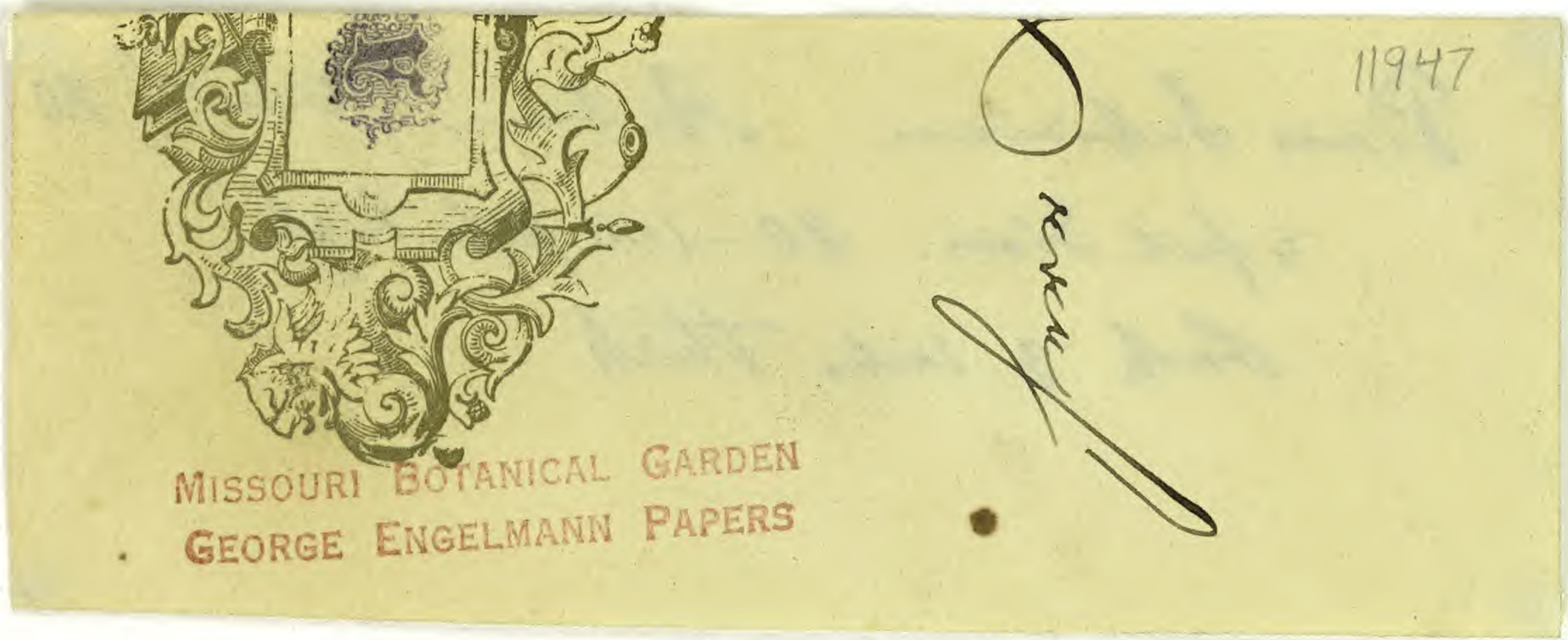
Pinus Sabiniana Auburn Oct 12th 80

4 feet diam. 80–100 feet high,

bark 3 inches thick.



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San Bernardino Mts Sept 21 1880

Pinus ponderosa : cones ovate-cylindrical, slightly deflexed

P. Jeffreyi – much larger, ovate-conical, horizontal

(bracklets glaucous, scarcely exserted when ripe)

P. ponderosa, Jeffreyi & Tuberculata cones usually persist 3 years and fall during the 4th year.

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Pinus albicaulis high up on
Mt Shasta 7100 alt (8000' is
Timberline) some trees measured
5 feet in circumference
Aug 23 1880

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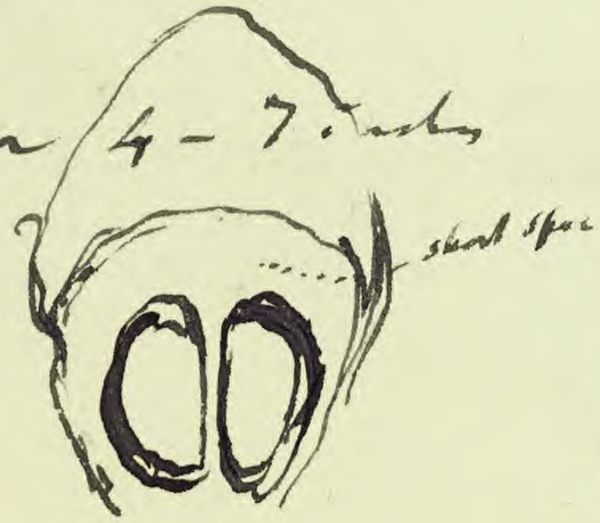
P. stenbiformis. Obliquiriachi 10 inches

stigma 4–7 inches



P. Argentabuita 9– inches

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Dr. George. Engelmann.

With the compliments of

Pinit, the Sugar of Pin. Lambertiana
so named by Berthelot (see Liebig & Kopp Ann.
Lamrsberg, J.
1855. p. 675) — see also S. W. Johnson's
Communicate in Sillim Journ (2) 22. 6
(1855. or 56?) — Berthelot in Compt. rendus
41. 392 (1855?)

Pinit easily soluble in water, very sparingly soluble in absolute Alcohol, Sp. gr. gravity. 1.52 The solution turns the polarization plain of the light to the right Is not fermentable, but reduces copper solution

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Mi 17.

Do 18

F 19

Sa 20

Contorta

So 21

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1862

A supplement to Gordon's Pinetum, Lond. 1862

p. 69 P. leiophylla Lindl. leaves 5, 8–10 inches long, not unlike those of P. macrocarpa – very shortly upwards of 1 inch long, old ones half as long. Stout shoots glaucous when young. Cones 4½–5½ inches long, more than 3 inches diam., globular or obtusely egg shaped – with hard glossy surface, very much resembling those of P. pinea – but larger. Seed = P. Sabiniana, with a thick crest, with a short membranaceous oblique wing. –

Lower California, by W. Lobb.

Abies concolor Lindley (Hby Santa Fe plant

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Mrs. University of California, Berkeley
Oct 1930

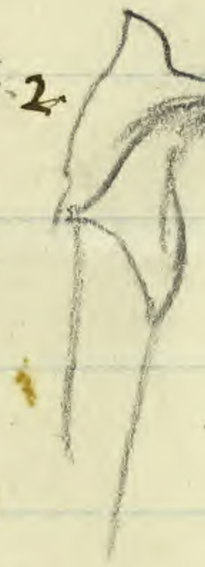
Pinus Jeffreyi from Mono Lake

sp. 1 cone + 2 scales, 6 inches long; remarkably
especially on the uppermost rocks 3 inches long

P. ponderosa (in cones)

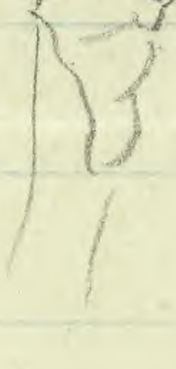
cones only 3 inches long; prickles
remain
upwards

P. ponderosa from Mt Conard, Kellogg, cones
5½ inches long with very stout, strongly pointed
leaves 6–8 inches scales 13/21



Needles with 3 only
sp. 3 cone with short prickles
Knobby elbow

Largest ponderosa cones 5 — 5½ inches
2 inches wide (dried up), prickles
very slender — short
leaves 10½ inches



Pinus flexilis near Monopass

P. Ponderosa, King's Canon, Kellogg
Cones 2½ — 3 inches — very distant

P. ponderosa? Long & stout leaves, Humboldt Co
Hab near P. Bolanderi (N.W. County of Cal)

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Pinus flexilis in Mt Cassin / Hot Creek
Range [and others] between / Mt Siern
Nevada & the Wasatch [Cone
examined]. J. Muir
also White Pine (Thompson White Pine
Range — growing 8-11 — 9-11,000
feet [alt] — [illegible] J. Muir

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Hedra Canariensis Lowe.

Bot Mag 6348 (March 1878)

is Hypochiris. Tubers mammillate,

2 rows, each terminating in a

basal leaf